

Notice of Allowability

Application No.

10/075,642

Applicant(s)

YOKOSHI, NORIYUKI

Examiner

Art Unit

Cam Y T. Truong

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/20/2006.
2. ☒ The allowed claim(s) is/are 1,3,5-12,14 and 16-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Cam Y Truong
Primary Examiner
Art Unit: 2162

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DETAILED ACTION

1. Applicant has amended claims 1, 12, and canceled claims 4 and 15 in the amendment filed on 9/12/2006.

Claims 1-3, 5-14, 16-22 are pending in this office action.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Dexter T. Chang on 9/12/2006.

In claim:

Please replace claims 1, 5, 12 and 16 with amended claims 1, 5, 12 and 16

Please cancel claims 2 and 13.

1. (Currently amended) An apparatus including a processor for managing a state of an external apparatus connected thereto, comprising:

a database;

a plurality of managed objects (MOs);

each managed object (MO) of the plurality of managed object managing the state of the external apparatus, said each MO being provided in said database and realized by an application, said each MO having a table storing information on the state of the external apparatus, a stored procedure defining a method related to the table and a notification of a state change;

• a control interface through which a MO of the plurality of managed objects performs outer control of the external apparatus from said database, the interface being provided in said MO;

a protocol conversion part converting the information in a first protocol into a second protocol for transmitting the information between said database and the external apparatus, wherein the control interface establishes an interface between the MO and the protocol conversion part;

the protocol conversion part further receiving a result of outer control from the external apparatus, converting the result into grammar of said database, returning information on the result of the outer control to said MO by the stored produced and if the result shows that the outer control is completed, said database is updated and responses to the application; and

a result notification interface for notifying said database of the result of the outer control performed by said MO with a result being correlated with the outer control, the result notification interface being provided in said MO.

5. (Currently amended) The apparatus as claimed in claim 1, wherein said database and said protocol conversion part comprise a server computer managing the external apparatus.

12. (Currently amended) A method of managing a state of an external apparatus, comprising:

providing a plurality of managed objects (MOs);

realizing each managed object (MO) of the plurality of MOs by an application, wherein said each MO being provided in a database, and said each MO having a table storing information on the state of the external apparatus, a stored procedure defining a method related to the table and a notification of a state change;

managing the state of the external apparatus by a MO of the MOs;

storing the state of the external apparatus in the database;

performing outer control of the external apparatus by the MO from said database through a control interface, the control interface being provided in the MO;

converting the information in a first protocol into a second protocol for transmitting the information between said database and the external apparatus, wherein the control interface establishes an interface between the MO and a protocol conversion

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part, said protocol conversion part further receiving a result of outer control from the external apparatus, converting the result into grammar of the database, returning information on the result of the outer control to the MO by the stored produced and if the result shows that the outer control is completed, the database is updated and responses to the application; and

notifying the database of the result of the outer control performed by the MO with a result being correlated with the outer control via a result notification interface being provided in the MO.

16. (Currently amended) The method as claimed in claim 12, wherein a server computer comprising the database and the protocol conversion part manages the apparatus connected to the server computer.

Allowable Subject Matter

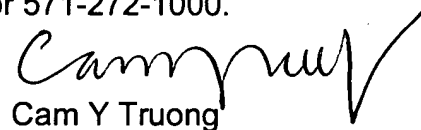
3. Claims 1, 3, 5-12, 14, 16-22 are allowed.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cam Y T. Truong whose telephone number is (571) 272-4042. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Cam Y Truong
Primary Examiner
Art Unit 2162
9/16/2006